**Homework 67** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Quiz 17 Review** Period:\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| 1) In the figure below, ABC is a right triangle with a right angle at C. Which of the statements about this figure is NOT correct?  A   1. sin A = 2. sin B =   25  24   1. tan A =   B  C   1. sin B =   7   1. cos B =   For the answer choice that you circled, correct the trig ratio so that it is correct: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2) An angle in a right triangle has a measure.  If cos =, then tan= ? |
| 3) Find the measure of angles U and S. |
| 4) You are at the top of a roller coaster 100 feet above the ground. The angle of depression is 44°. What is the distance x? | 5) You walk from one corner of a basketball court to the opposite corner. Which of the following would solve for the distance x? |
| 6) A shipping dock has a mobile ramp that is used to help load and unload cargo from trucks. The ramp is 125 inches long and has a base that is 120 inches long. Find the height of the ramp (h) and the angle of the ramp (A).    A | 7) To calculate the height *h* of a flagpole, you move 22 feet from the base and record the angle of elevation to the top to be 65°. Find the flagpole's height to the nearest foot. |